



LOC643001 (A-20): sc-84911

BACKGROUND

LOC643001 is a 110 amino acid protein that is encoded by a gene which maps to human chromosome Y. Chromosome Y contains approximately 58 million base pairs and houses over 80 genes, many of which are essential for proper sexual development. The Y chromosome is the human sex determining chromosome, necessary for male development. While deletions or defects in chromosome Y-encoded genes are not lethal, they may greatly impair masculine development and function. Carrying an additional copy of the Y chromosome, as seen in males with XYY syndrome, does not lead to an obvious phenotype and most XYY males are unaware of their additional Y chromosome. The LOC643001 gene product has been provisionally designated LOC643001 pending further characterization.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: LOC643001 (human) mapping to Yq11.1.

SOURCE

LOC643001 (A-20) is an affinity purified rabbit polyclonal antibody raised against a peptide mapping at the N-terminus of LOC643001 of human origin.

STORAGE

Store at 4° C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

PRODUCT

Each vial contains 100 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-84911 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

APPLICATIONS

LOC643001 (A-20) is recommended for detection of LOC643001 of human origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000); broadly reactive with double homeobox 4 isoforms and may cross-react with other double homeobox proteins.

Suitable for use as control antibody for LOC643001 siRNA (h): sc-91552, LOC643001 shRNA Plasmid (h): sc-91552-SH and LOC643001 shRNA (h) Lentiviral Particles: sc-91552-V.

Molecular Weight of LOC643001: 12 kDa.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

PROTOCOLS

See our web site at www.scbt.com or our catalog for detailed protocols and support products.